Ministry, which rejected it on financial grounds. Not discouraged, in 1892 he went to Russia, where the first rigid airship was constructed under his direction at St. Petersburg. Unfortunately, the container was made of inferior metal, and the experiment was only a qualified success. However, the German government became interested, and invited him to Germany to make a trial flight. The excitement was too much for him, and when he was handed the official telegram he collapsed and died in the street. His widow, however, carried on the work, and a new airship was constructed under her super-vision. At the trial, a certain Count Zeppelin was present, and was so impressed that he purchased the patents from Erau Schwarz: so that the successful dirigible which finally resulted bears (not improperly) his name alone. But Jewish collaboration did not end: for Karl Arnstein was chief construction engineer in the Zeppelin works, and in 1924 piloted the first Zeppelin across the Atlantic to America[1]

§vi

Let us now consider another aspect, with which modern technical progress is intimately bound up: the advance in the harnessing and utilisation of electricity, with its many varied outlets—power, lighting, communications, telegraph, the radio, and so on. Joseph Popper (Lynkaeus) —a pioneer also in the theory of flight—is said to have been

[1] Other important inventions in connexion with flying which are due to Jews are those of Emile Berliner (for whom see

the following pages) who devoted his later years to devices for stabilising aeroplanes : and of Theodor von ELarman, who occupies a premier position among mathematicians in aviation. Mention should be made also of the services rendered to aviation by Henri Deutseh de la Meurthe by his writings (especially *Lep&role et ses applications),* the prizes which he instituted, and his foundation of the Aerotechnics! Institute of St. Cyr.

There is nothing but the name to support the belief that Otto Lilienthal, who first put forward seriously the idea of a heavier-than-air flying machine, was a Jew.